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DERWENT-WEEK: 199620

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TITLE: Disk access control method for magnetic disc unit -  
involves setting up of management table to check whether  
block is stored in memory domain

PRIORITY-DATA: 1994JP-0199501 (August 24, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP</u> 08063397 A	March 8, 1996	N/A	007	G06F 012/08

INT-CL (IPC): G06F012/08, G06F012/12

ABSTRACTED-PUB-NO: JP 08063397A

BASIC-ABSTRACT:

The disk access control method uses a CPU (1) which carries out the analysis execution of the input output starting instruction. The block data including the logic address with the access demand by the CPU is stored in a memory (3).

A controller (2) controls the memory containing the management table.

The block unit data which is accessed frequently and optimized is managed. Every block of data is stored in the memory domain of a certain limited sequence for every block deduced from the logic address of the disk. The block including the logic address of the disk having an access demand sets up a management table (4) which checks whether the block is stored in the memory domain.

ADVANTAGE - Improves searching state of management table. Reduces overhead of information processing device. Improves reliability of data provided.

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Basic Abstract Text - ABTX (2):

The block unit data which is accessed frequently and optimized is managed.

Every block of data is stored in the memory domain of a certain limited sequence for every block deduced from the logic address of the disk. The block including the logic address of the disk having an access demand sets up a management table (4) which checks whether the block is stored in the memory domain.

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